

POWIS IMAGE WRAPPER

IMAGE WRAPPER USER'S MANUAL

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POWIS

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Information for Your Reference:

Serial Number: _____

Purchase Date: _____

I INTRODUCTION

Congratulations on the purchase of your Powis Image Wrapper. As with all our equipment, this machine was carefully assembled and tested prior to packing. You will find it fast and easy to use. The Powis Image Wrapper lets you create your own custom wrapped hard covers quickly and easily in any office environment. It is designed for use with our Fastback binding systems.

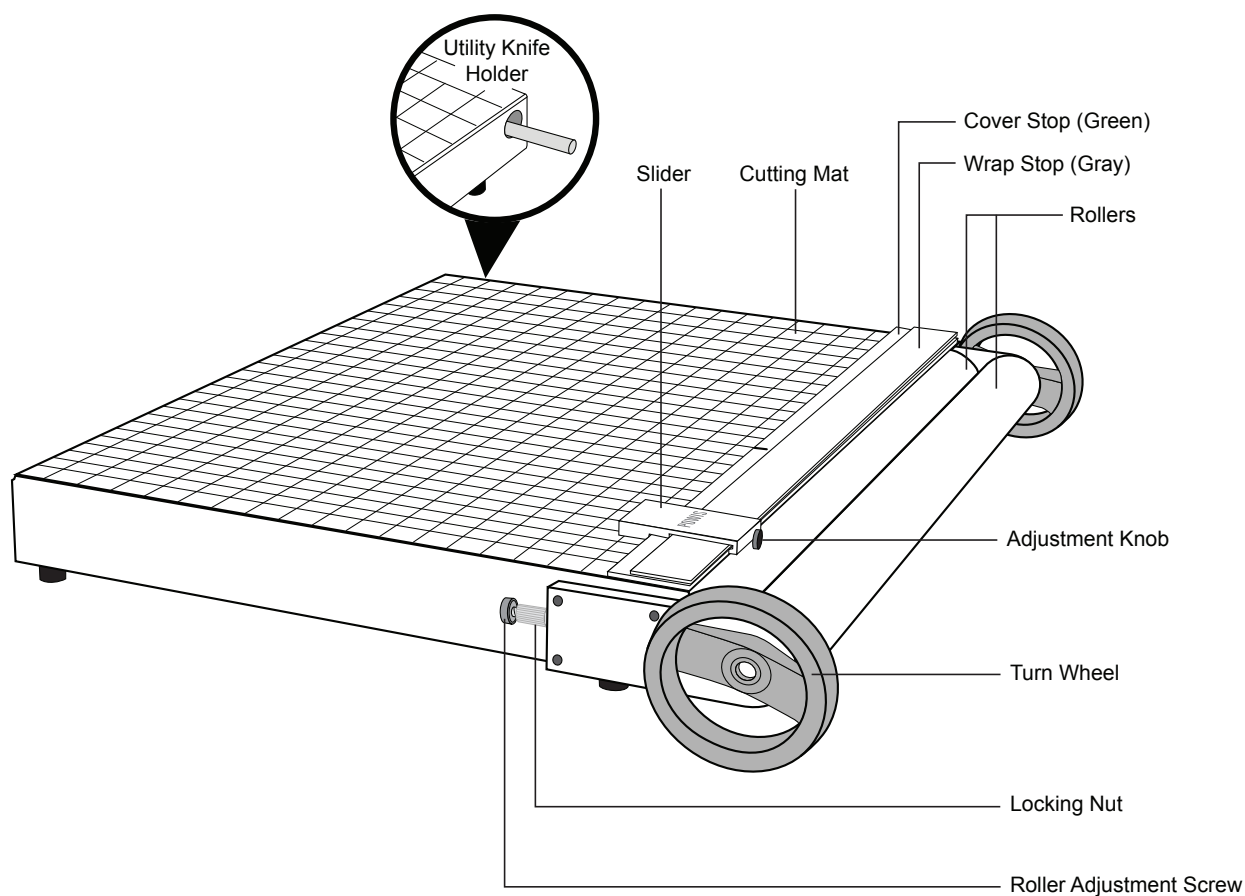


IMAGE WRAPPER

II **FIRST TIME SETUP**

A. What's Included Inside the Box

- The Powis Image Wrapper
- Instruction Card
- Image Wrapper Manual

If any items are damaged or missing, contact your Powis Parker dealer immediately.

B. Setting Up

1. With the help of someone else, remove the Image Wrapper from the box and place on a flat, level surface.
2. Remove any cardboard or styrofoam shipping pieces from the Image Wrapper before using.
3. Position the machine on the desk, table, or counter where it will reside. For optimum comfort we recommend a table height between 27" – 30" (69 cm – 76 cm). All four feet should be on the table, but the center slot between the two rollers should be clear of the front edge of the table to allow covers to slide completely through the rollers.

You will also need a utility knife to cut your printed cover wraps to size.

CAUTION: Utility knives are very sharp! Always handle them carefully and replace them in the utility knife holder when not in use.

III **IMAGE WRAPPER TERMINOLOGY**

The Image Wrapper uses unique new technology, and, as with any new technology, it comes with new concepts and terminology. Refer to this list anytime you are unsure about the meanings of terms used in this guide.

Image Wrapper

This is the machine itself that is used to create the hard covers.

Cover Wrap

The Cover Wrap is the printed paper or cloth that you plan to wrap onto the hard cover.

ImageBack Hardcover

The ImageBack Hardcover is the hard cover with an external adhesive panel you use to attach your printed Cover Wraps.

ImageBack Liner

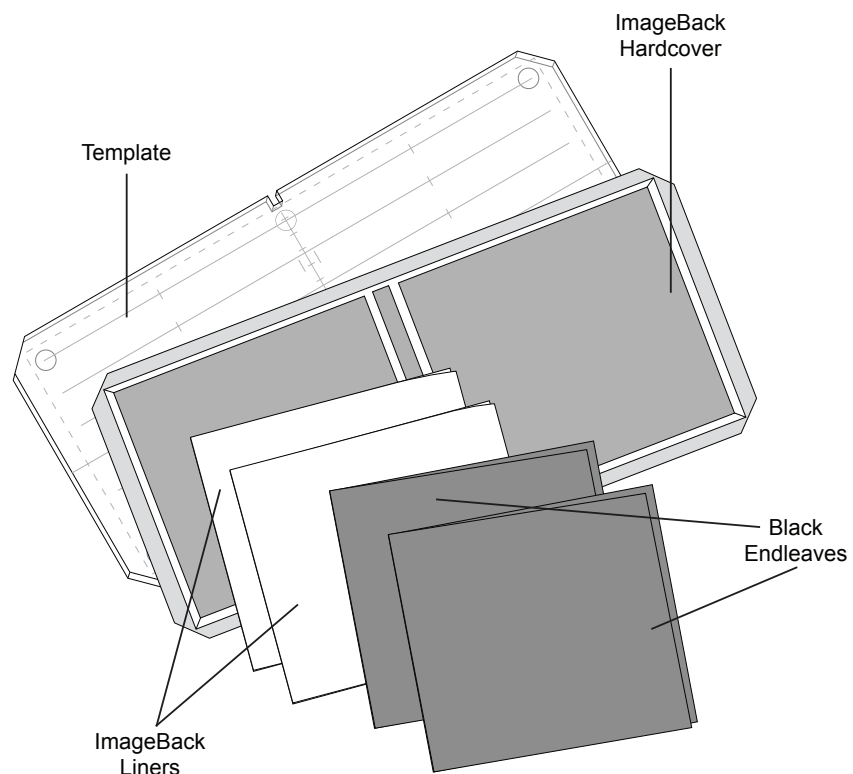
The ImageBack Liner is a double-sided adhesive sheet that you can attach to the interior of your finished book cover. The ImageBack Liner is then used to attach the book contents (book block) to the cover.

Template

The clear acrylic cutting guide used to cut printed sheets to the correct size for wrapping covers.

Endleaves

The folded sheets of thick paper that are used to attach the book block to the case (hard cover).



IV SUPPLIES & PRINTING INFORMATION

Before you begin printing the wraps for your covers, some familiarity with the properties of the paper you are using is recommended. Laminating is strongly recommended to prevent the paper from cracking along the spine and the ink from rubbing off at the corners. There are three primary types of laminates: polyester (PET), polypropylene (BOPP), and nylon. Check with your vendor for the best laminate to use for your type of printing. Keep in mind that thicker papers are more difficult to wrap properly. The following information will help you decide which type of laminate to use. For more information, check with your laminate vender about the availability of the correct materials.

Digital Offset Printers: Digital printer inks have oils in them, which can inhibit the adhesion of the glues on the laminates. Ask your laminate vender about the more aggressive laminate glues.

Toner-based Printers: Toner-based printers often use fuser oil which—like the digital printer inks—can interfere with lamination. Ask your laminate vender about the more aggressive laminate glues.

Inkjet Printers: Inkjet printers should use a *low melt* adhesive. Any of the three types of laminates are available in low melt versions. Ask your laminate vender about the low-melt laminates.

Dye-Sublimation Printers: Like inkjet printers, dye-sub printers should use a *low melt* adhesive. Ask your laminate vender about the low-melt laminates.

The ImageWrapper uses the following supplies:

SIZES	SPINE	ImageBack Template (3 per carton, ABC spines)	ImageBack Hardcover (25 per carton)*	ImageBack Liner (200 per carton)	Black Endleaves
8.5" x 11" Landscape	A B	IBTA-JLX IBTB-JLX	HJIBA-LX HJIBB-LX	IBLJ-LX	203078
11" x 8.5" Portrait	A B	IBTA-JPX IBTB-JPX	HJIBA-PX HJIBB-PX	IBLJ-PX	HZEJBB
A4 Landscape	A B	IBTA-4LX IBTB-4LX	H4IBA-LX HAIBB-LX	IBL4-LX	202936
A4 Portrait	A B	IBTA-4PX IBTB-4PX	H4IBA-PX H4IBB-PX	IBL4-PX	204614
8" x 10" Landscape	A B C	IBTA-NLX IBTB-NLX IBTC-NLX	HNIBA-LX HNIBB-LX HNIBC-LX	IBLN-LX	206077
10" x 8" Portrait	A B C	IBTA-NPX IBTB-NPX IBTC-NPX	HNIBA-PX HNIBB-PX HNIBC-PX	IBLN-PX	202129
12" x 12" Square	A B C	IBTA-ASX IBTB-ASX IBTC-ASX	HAIBA-SX HAIBB-SX HAIBC-SX	IBLA-SX	HOEBBXS

* Package includes 50 ImageBack Liners

Image Area Specifications

Below are listed the minimum printed areas required for the cover wraps.

8"x10":
A spine: 22.26" × 9.52" (565.4mm × 241.8mm)
B spine: 22.39" × 9.52" (568.7mm × 241.8mm)
C spine: 22.64" × 9.52" (575.1mm × 241.8mm)

12"x12":
A spine: 26.26" × 13.52" (667mm × 343.4mm)
B spine: 26.39" × 13.52" (670.3mm × 343.4mm)
C spine: 26.64" × 13.52" (676.7mm × 343.4mm)

8.5"x11" (portrait and landscape):

Portrait:
A spine: 19.26" × 12.52" (489.2mm × 318mm)
B spine: 19.39" × 12.52" (492.5mm × 318mm)
C spine: 19.64" × 12.52" (498.9mm × 318mm)

Landscape:
A spine: 24.26" × 10.02" (616.2mm × 254.5mm)
B spine: 24.39" × 10.02" (619.5mm × 254.5mm)
C spine: 24.36" × 10.02" (618.8mm × 254.5mm)

A4 (portrait and landscape):

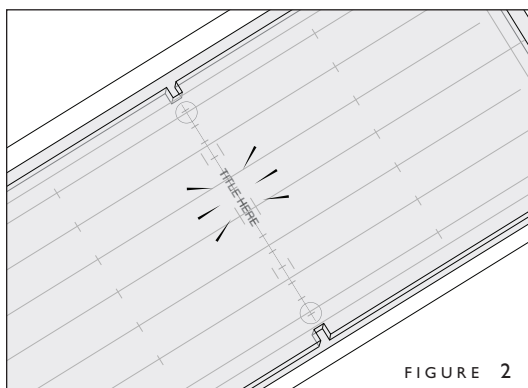
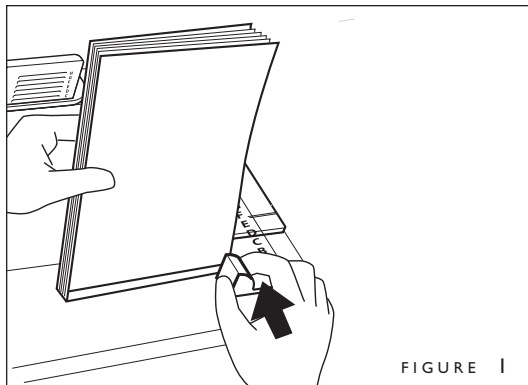
Portrait:
A spine: 18.8" × 13.21" (477.5mm × 335.5mm)
B spine: 18.92" × 13.21" (480.6mm × 335.5mm)
C spine: 19.17" × 13.21" (486.9mm × 335.5mm)

Landscape:
A spine: 25.64" × 9.79" (651.3mm × 248.7mm)
B spine: 25.77" × 9.79" (654.6mm × 248.7mm)
C spine: 26.02" × 9.79" (660.9mm × 248.7mm)

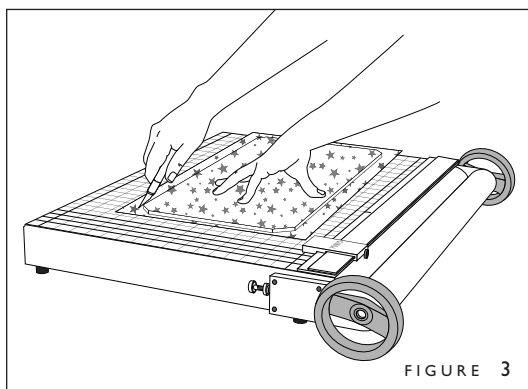
V USING THE IMAGE WRAPPER

CUTTING THE COVER WRAP

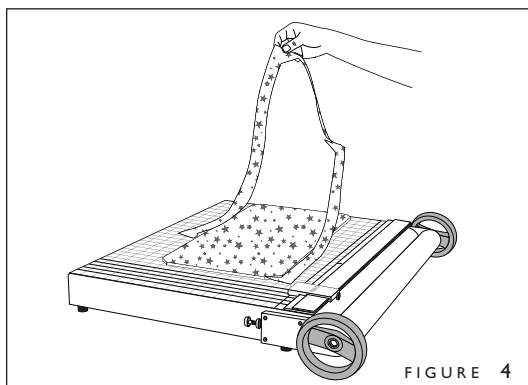
BEFORE YOU BEGIN: Please consult Section V: Supplies and Printing Information to make sure that your wraps have the correct size and image area specifications. To find the correct book width (A–C), use the Book Width Gauge located on the bottom right of the Fastback Hardcover Guide (Figure 1). For more information on using the Fastback Hardcover Guide see Section VII, Finishing the Book.



1. Place your printed sheet (wrap) face-up on the cutting surface on top of the Image Wrapper. Place the correct size of clear plastic cutting template on top of the printed wrap and align the spine along the center line (Figure 2).



2. Using a sharp utility knife, cut around the edges of the template (Figure 3).



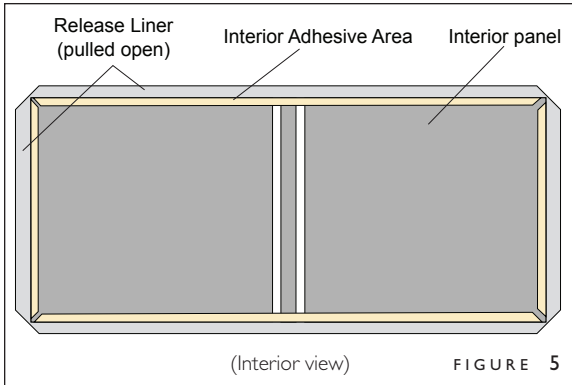
3. Remove the excess paper from the edges of the wrap (Figure 4).

Place the template and cut wrap aside for the next procedure.

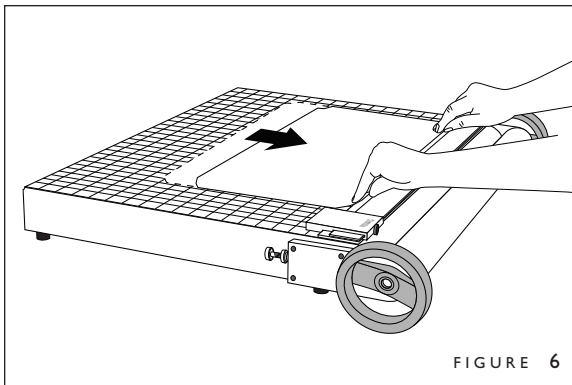
V USING THE IMAGE WRAPPER

ATTACHING THE COVER WRAP

BEFORE YOU BEGIN: After the wrap is cut to size, it is ready to attach to the Image Back Hardcover. Please consult Section V: Supplies and Printing Information to make sure that your wrap specifications conform to the printing and laminating pre-requisites as listed.

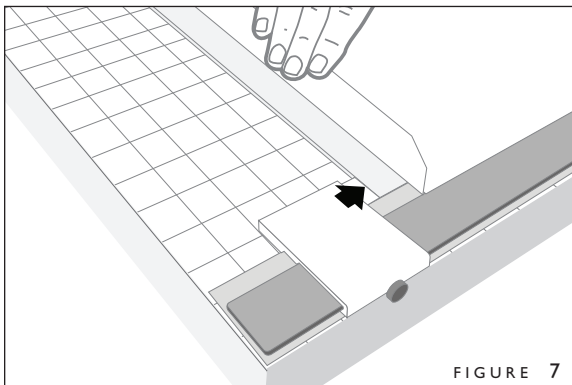


1. Peel back the inner portion of the release layer on all four sides of the Image Back Hardcover (Figure 5).

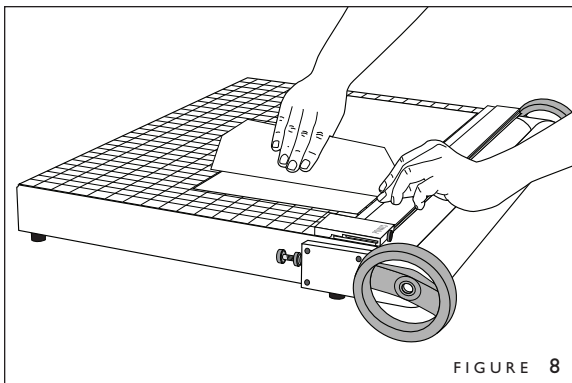


2. Line up the bottom edge of ImageBack Hardcover with the edge of the green Cover Stop. Position the cover so the center of the spine is approximately lined up with the center notch on the green stop.

HINT: An easy way to line up the cover with the guide is to pull the hardcover by the long edge of the release paper up to the green Cover Stop (Figure 6).



3. Slide the purple slider over so the lower gray step touches the edge of the cover; then tighten the Adjustment Knob in place (Figure 7).

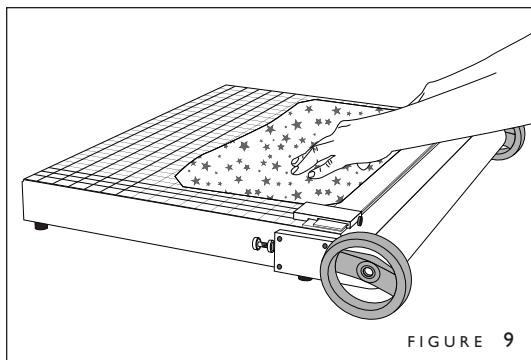


4. Peel back and crease flat the left edge of the release paper; exposing approximately an inch of the adhesive surface (Figure 8).

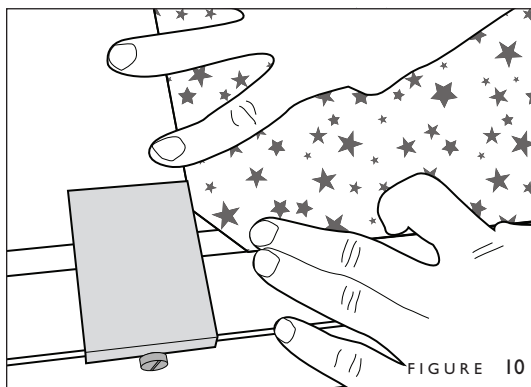
IMPORTANT: Do not remove the entire release paper from the ImageBack Hardcover yet.

V USING THE IMAGE WRAPPER

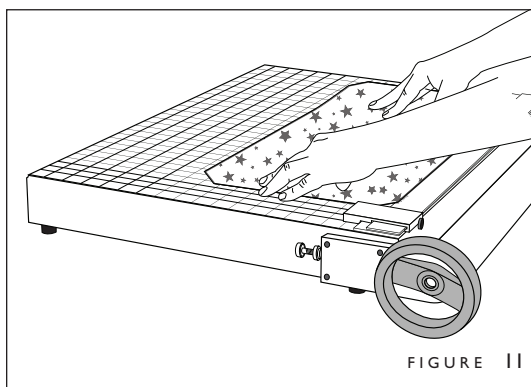
ATTACHING THE COVER WRAP (Continued)



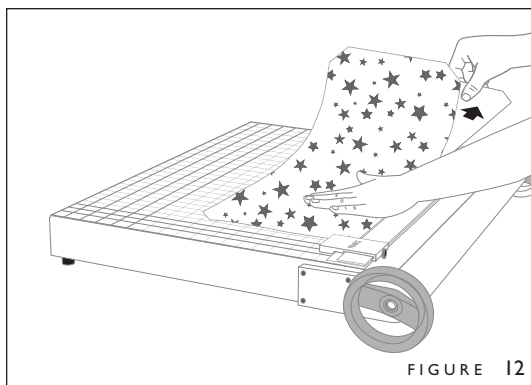
5. Place the wrap on top of the cover with its front edge against the gray step. Be careful not to press down too hard as you might prematurely attach the wrap to the exposed adhesive (Figure 9).



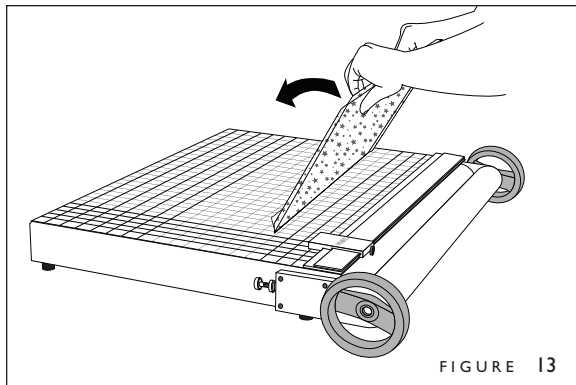
6. Slide the wrap over so its left edge touches the right side of the purple piece — the wrap front edge must still be against the long gray stop. (Figure 10).



7. While holding the wrap in place against the front and left stops, press the wrap down on the exposed left edge adhesive to secure it in place (Figure 11).

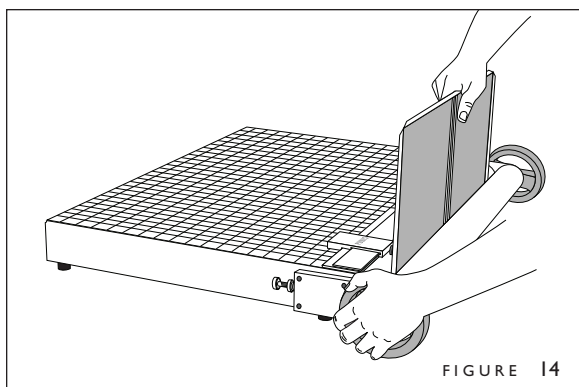


8. Peel the entire release paper from the Image Back Hardcover while firmly and evenly smoothing the wrap against the Hardcover (Figure 12).

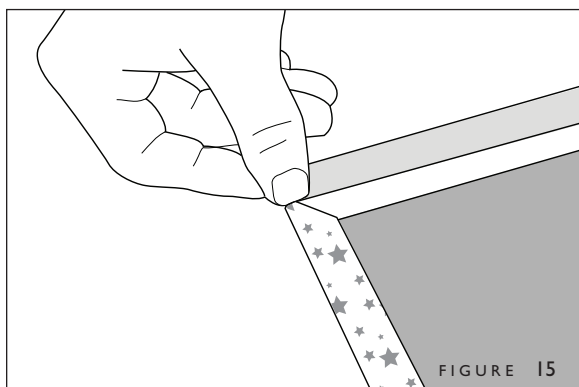


ATTACHING THE COVER WRAP (Continued)

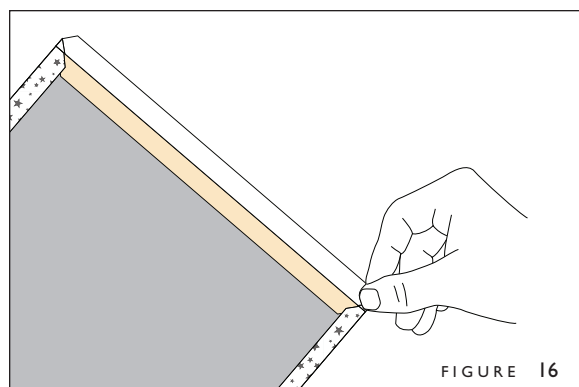
9. With the interior portion of the cover facing away from you, firmly push down and rock on the long edge of the cover to fold and attach the wrap to the edge of the Hardcover (Figure 13).



10. Place the cover in between the Rollers and rotate the Turn Wheel a half turn to feed the folded edge in and out of the rollers (Figure 14).



11. Repeat steps 9 and 10 with the opposite long edge of the cover.



12. With a fingernail, tuck and crimp all four corners, being careful to make sure that the crimped edges are tucked

V USING THE IMAGE WRAPPER

into the fold (Figures 15 and 16).

ATTACHING THE COVER WRAP (Continued)

13. Firmly push down and rock the short edge of the cover to fold and attach the wrap to the edge of the Hardcover (Figure 17).

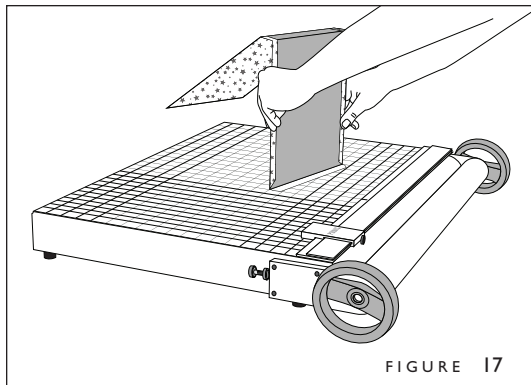


FIGURE 17

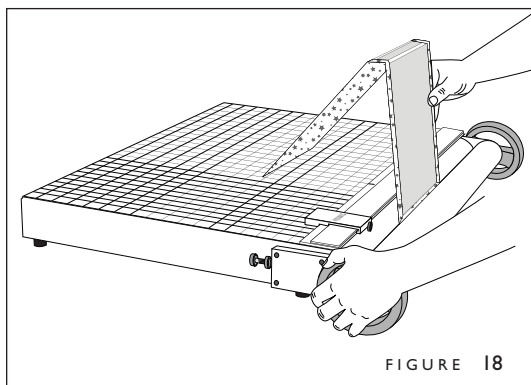


FIGURE 18

14. Place the short edge of the cover between the Rollers and rotate the Turn Wheel a half-turn and back to feed the folded edge in and out of the rollers (Figure 18).

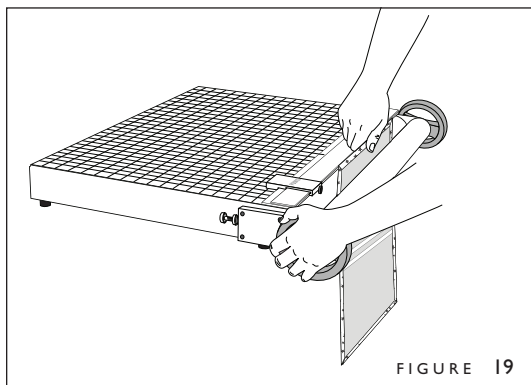
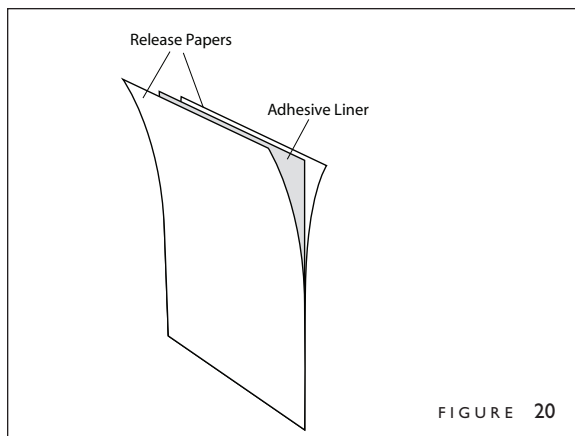


FIGURE 19

15. Repeat steps 13 and 14 with the opposite short edge of the cover. When finished, feed the entire cover through the rollers to ensure the wrap is completely adhered to the Hardcover (Figure 19).

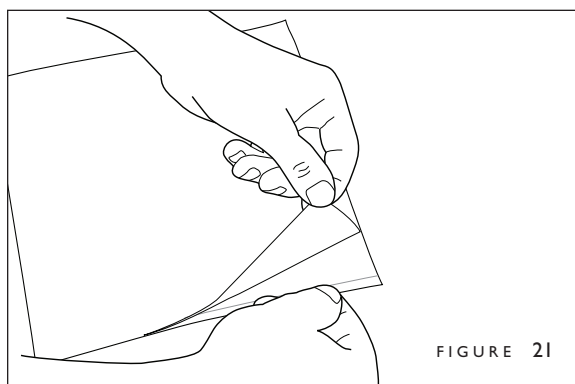
The cover is now ready to attach the Liners (see page 18)

VI ATTACHING THE COVER LINERS

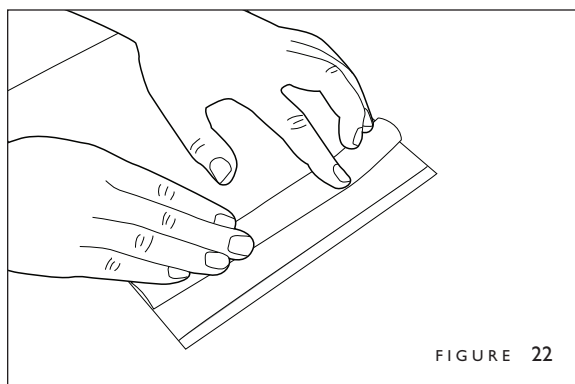


Cover Liners are used to attach the book block to the hard cover. Liners consist of a substrate that has adhesive on both sides sandwiched between two release papers (Figure 20).

Look closely at a Cover Liner and you will notice that the release papers extend past the edge of the adhesive substrate along one edge. One release paper is slightly longer than the other. This is the release paper that will line up with the outside edge of the book.



1. Peel back the shorter of the two release papers to expose the adhesive liner along the edge (Figures 21). Fold and crease the release paper (Figure 22).



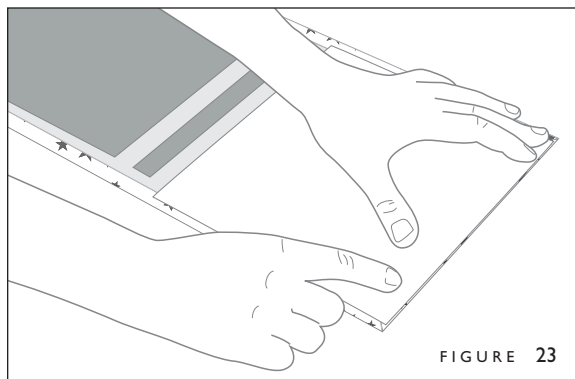
2. Line up the uncreased release paper with the edge of the hard cover and visually center the Cover Liner top and bottom being careful not to press on the exposed adhesive area yet (Figure 23).

3. Once the Cover Liner is in place, press down on the exposed adhesive area to secure the liner then reach under and finish peeling off the lower release paper.

4. Press the Cover Liner firmly in place.

5. Repeat for the other inside panel of the cover.

TIP: After the Cover Liners are in place, you may feed the finished Hardcover through the Image Wrapper rollers. This will help ensure that the liners are completely smoothed down.



Please consult Section V: Supplies and Printing Information to make sure that your Cover Liners have the correct size specifications.

VII FINISHING THE BOOK

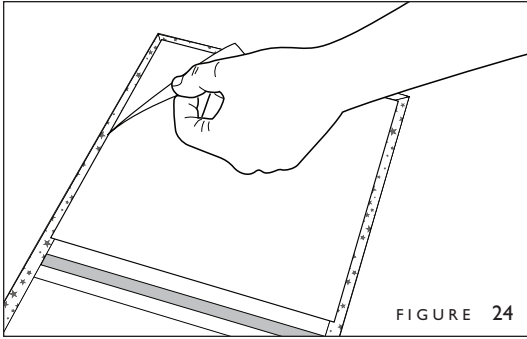


FIGURE 24

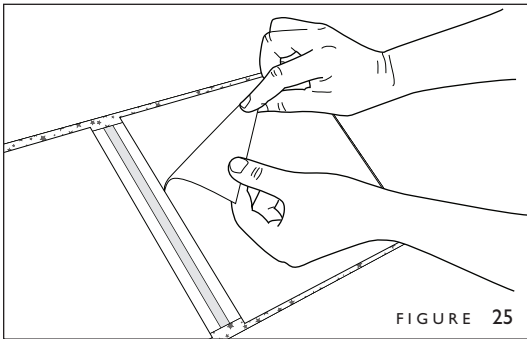


FIGURE 25

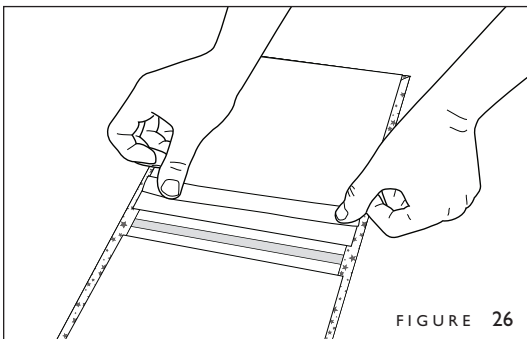
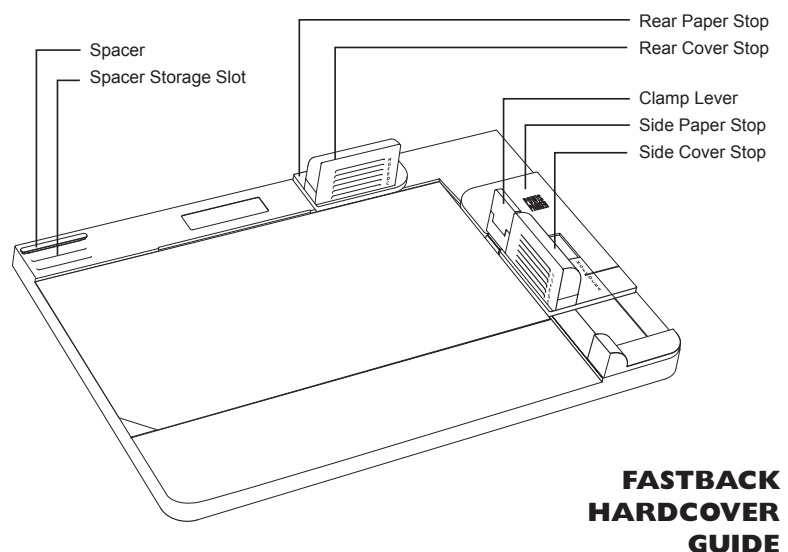


FIGURE 26

When the hard cover is wrapped and the liners are attached, you can use the Fastback Hardcover Guide (illustrated below) to finish the book. For more information on binding the book block, please consult the manual that came with the Fastback Hardcover Guide, or visit, www.powis.com.

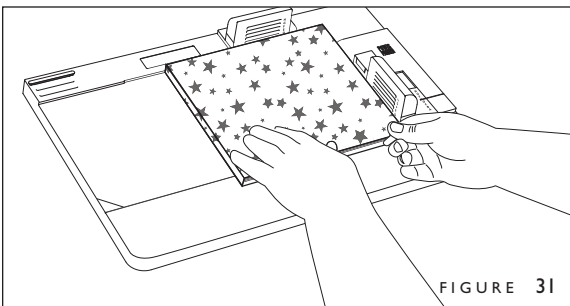
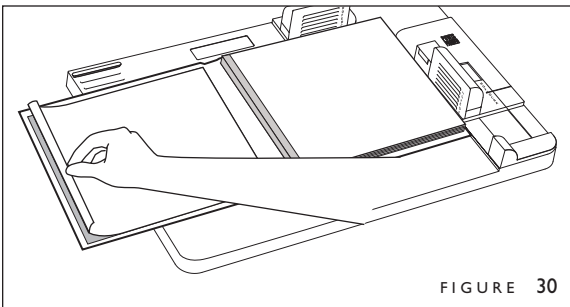
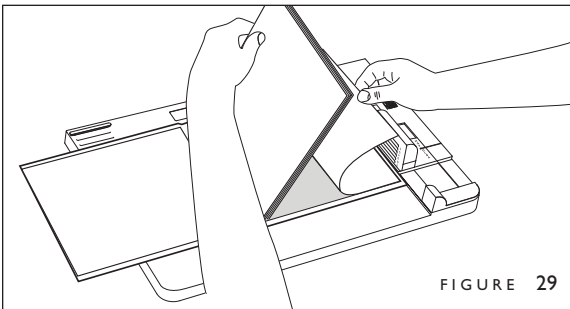
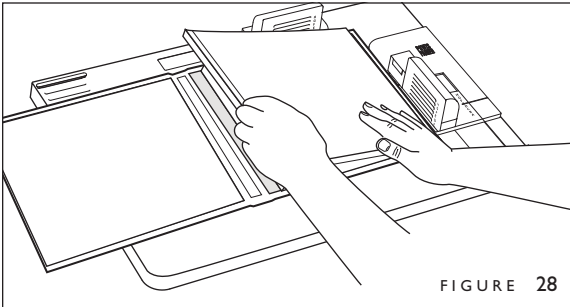
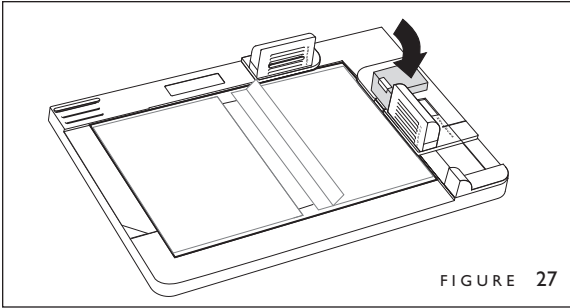
NOTE: Before fastening the cover in the Hardcover Guide, you will need to fold back and crease the liner on the right panel (i.e., the panel that will clamp into the Hardcover Guide) as follows:

1. Start by peeling the release liner slightly from the outside of the cover (Figure 24).
2. Continue to lift the release paper around the top edge of the cover and then down to the spine edge of the liner (Figure 25).
3. Fold and crease the release liner, exposing approximately an inch (25mm) of adhesive (Figure 26). The cover is now ready to place in the Hardcover Guide.



**FASTBACK
HARDCOVER
GUIDE**

VII FINISHING THE BOOK



4. Place the finished ImageBack Hardcover interior side up, in the Hardcover Guide and clamp it in place (Figure 27). (The front cover should be on the left side).
5. With the front of your book block facing up, push the page edges against the top and side green paper stops. (Figure 28), then lower the spine edge firmly onto the exposed adhesive strip.
6. Carefully lift the right side of the book block and remove the release paper from the right liner (Figure 29). Roll and lower the book block onto the hard cover and press it against the panel to secure it.
7. Remove the remaining release paper from the left side, (Figure 30).
8. Bring the left panel of the Hardcover over the book block and align, with the top and right edges of the cover abutting the purple stops (Figure 31). Press straight down onto the book block and smooth the cover to the spine. Remove the book from Guide. Open and rub the endleaves to ensure that they are securely fastened.

For more detailed information on using the Fastback Hardcover Guide, see the Fastback Hardcover™ Guide User's Manual.

NOTE: If you wish, you can also add headbands (small cloth strips and the top and bottom edges of the book's spine) for a more professional finished appearance. With the addition of our Foilfast printer, you can apply colorful foil printed titles and artwork to your covers and spines. Contact your Powis sales rep for more information.

A

USING THE IMAGE WRAPPER (ALTERNATIVE METHOD)

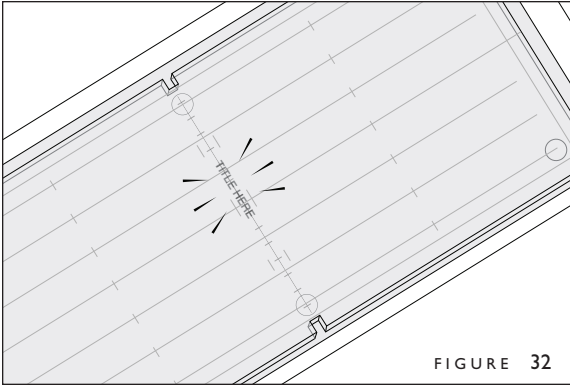


FIGURE 32

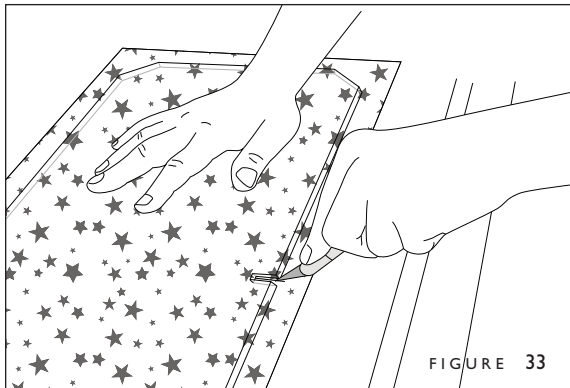


FIGURE 33

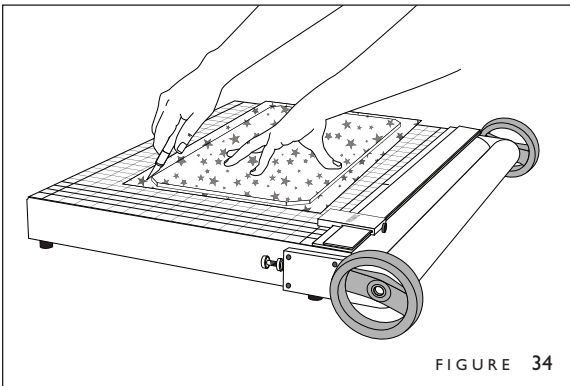


FIGURE 34

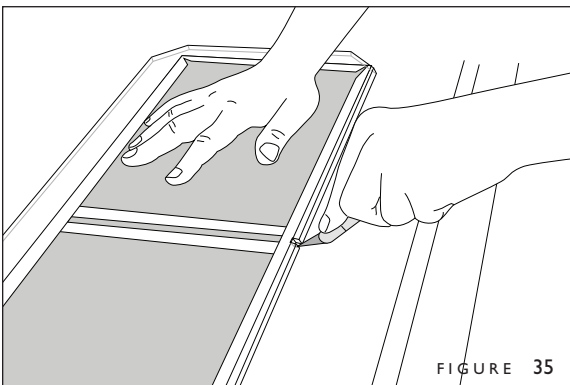


FIGURE 35

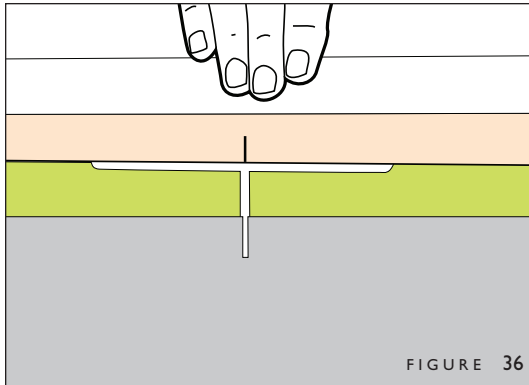
ATTACHING THE COVER WRAP (Alternative Technique)

Although the standard technique for attaching the cover wrap yields very accurate results, the following is an alternative method that offers perfect alignment every time.

CUTTING THE COVER WRAP

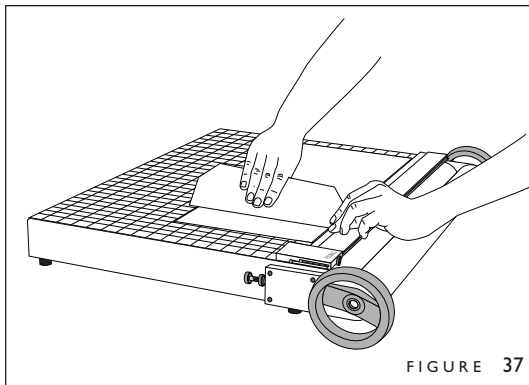
BEFORE YOU BEGIN: Please consult Section V: Supplies and Printing Information to make sure that your wraps have the correct size and image area specifications.

1. Place your printed sheet (wrap) face-up on the cutting surface on top of the Image Wrapper. Place the correct size of clear plastic cutting template on top of the printed wrap and align the spine along the center line (Figure 32).
2. In the center of the template notch closest to you, cut a slit at the cover wrap bottom. (Figure 33).
Note: How accurately you center this cut will determine the precision in centering the cover on your spine.
3. Using a sharp utility knife, carefully cut around the edges of the template (Figure 34).
4. Remove the excess paper from the edges of the wrap.
5. Center the template over the spine of the Image Back Hardcover with its front edge aligned with the cover's front edge. In the center of the template notch closest to you, cut a slit all the way through the edge of the cover. (Figure 35).
Note: How accurately you center this cut will determine the precision in centering the cover on your spine.

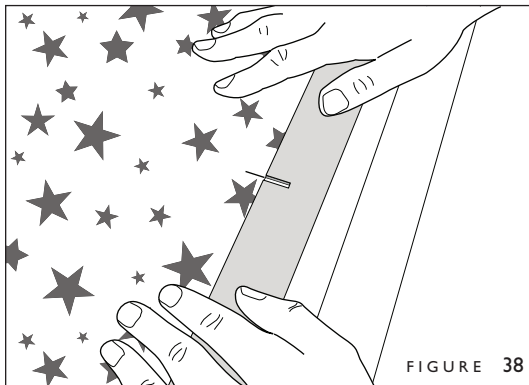


ATTACHING THE COVER WRAP (Continued) (Alternative Technique)

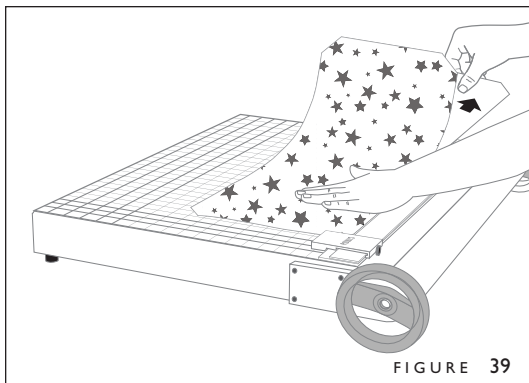
6. Bring into position, the Image Back Hardcover, making sure the cover's front edges touch along the green edge, and line up the slit-cut on the cover with the center of the notch on the Green Cover Stop (Figure 36).



7. Peel back the left edge of the release paper to expose approximately an inch of the adhesive (Figure 37).



8. Line up the slit-cut on the wrap with the center point on the Gray Cover Stop (Figure 38). Be sure the front edge of the wrap touches the gray stop.



9. Holding the wrap in place, press it down on the exposed adhesive to secure it in place (Figure 39).

Proceed with assembly procedure starting with step 8 on page 9.

In recent years, medical attention on occupational injuries has identified common, seemingly harmless activities as potential causes of a wide range of problems collectively known as Repetitive Stress Injuries or Cumulative Trauma Disorders. It is now recognized that any repetitive motion may contribute to these health problems. Depending on how it is used, the prolonged or repetitive use of almost any machine might have a potential for discomfort or injury. As a user of this Image Wrapper, you might also be at risk.

The most commonly accepted causes of this type of disorder are repeated, forceful actions, usually in an awkward position or posture, without sufficient rest to allow the body to recover. These repetitive actions may cause nerves, tendons, ligaments, and other soft body parts to become irritated and inflamed.

By paying attention to the way you perform your work, and do other activities, you can identify the behaviors that could put you at risk. The precautions outlined below are examples you can take to help reduce the likelihood of developing these problems and work more comfortably with your new Image Wrapper. Keep in mind, however, that these are only suggestions. Comfort is personal and only you may be able to judge what works best for you.

- You may find that your body will be most comfortable and relaxed with the Image Wrapper placed directly in front of you. The Image Wrapper and your supplies should be within easy reach — avoid excessive stretching.
- The Image Wrapper is best used in a standing position. Make sure that the work surface height that the Image Wrapper is on does not require you to bend over in a way that would strain your back or arms.
- Do not bend your wrists unnaturally during use.
- Don't stay in one position for too long. Try changing hands and varying your posture.
- Take breaks. Frequent short breaks are probably better than a few long ones.

Many factors go into creating a comfortable workspace, including proper placement and adjustment of furniture and equipment. A thorough work site analysis by a qualified expert is important in order to reduce the risk of repetitive motion injuries. If you experience pain, throbbing, aching, tingling, stiffness, a burning sensation, swelling, numbness, or weakness in your wrists, hands, arms or legs, see your physician immediately.

DO NOT IGNORE THESE WARNING SIGNS. Even if symptoms occur when you are not using the Image Wrapper, they can be associated with painful and sometimes permanently disabling injuries or disorders of the nerves, muscles, tendons, or other parts of the body. These symptoms could mean that you are developing a repetitive stress injury that requires prompt medical attention. For more detailed information, consult your doctor.

PROBLEM

SOLUTION

Spine title is not centered.

Check the left edge when you are cutting the wrap to make sure that it is flush with the template.

Make sure that the spine title is properly aligned under the template before cutting.

Make sure that the cover and the wrap are butted up against the stops on the bottom and the left.

Try the Alternative Method of attaching the cover wrap (see Appendix A, page 15).

Air bubbles in the finished cover.

To avoid this problem, make sure that you press the wrap firmly in an even and thorough motion from left to right when you are applying the wrap to the Hardcover.

If the book cover is finished and has an air bubble, it is possible to eliminate the air bubble by ironing the cover. To do this, set the iron on its *lowest setting* and cover the wrap with a discarded release paper. Iron the wrap from the center out towards the edges. Be careful to keep the iron moving at all times while it is in contact with the release paper.

Cover material sticks to and/or pulls off onto the rollers.

Some inkjet papers have a surface that can pull off onto the rollers. If this happens, put the cover between two release papers when you feed it through the rollers.

C

TROUBLESHOOTING

The Rollers are set at our factory at the optimal distance for our standard ImageBack Hardcovers. It is possible that you may encounter Hardcovers with thicker substrates that will not feed properly through the Rollers. Or you may find that your machine has been reset by someone and you want to set it back to the factory specifications. If so, use the following procedures. Before proceeding, please familiarize yourself with the Roller Adjustment mechanism illustrated at the bottom of this page. There are two Roller Adjustment screws; one on each side of the Image Wrapper.

PROBLEM

Hardcover is too thick to feed properly through the Rollers.

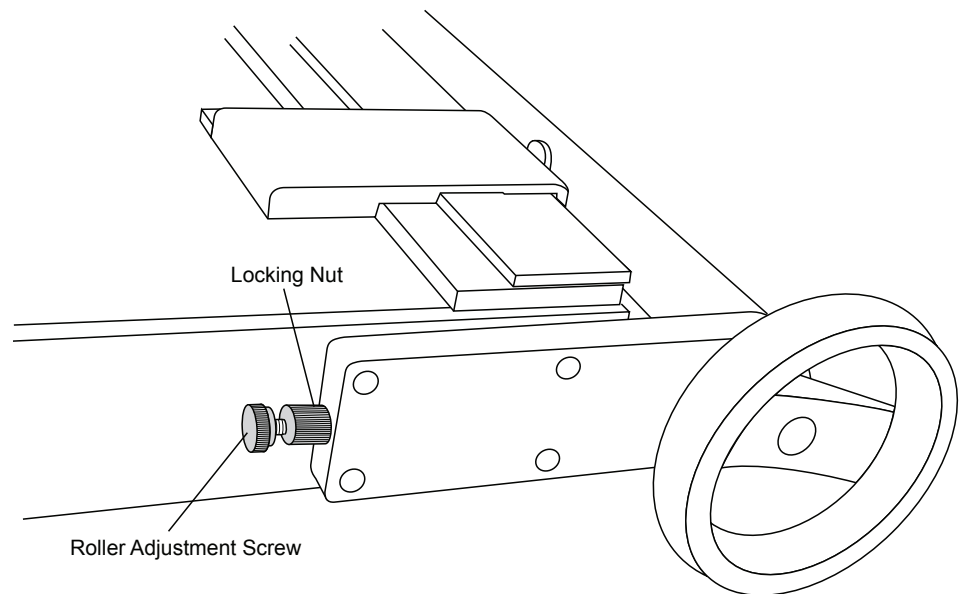
SOLUTION

Turn the Locking Nuts on both sides of the Image Wrapper to the left to loosen them.

Turn the Roller Adjustment Screws on both sides of the machine one quarter turn to the left and check the Roller gap. The Rollers should be close enough exert pressure on the Hardcover when it is fed through them, but not so close that feeding the cover through the rollers is difficult to do.

If the Roller gap is still too narrow. Turn both screws another quarter turn to the left and check again. Repeat if necessary.

When you have reached the desired pressure point, turn the Locking Nuts to the right to tighten on both sides.



PROBLEM

Rollers are misaligned.

SOLUTION

Turn the Locking Nuts on both sides of the Image Wrapper to the left to loosen them.

Turn the Roller Adjustment Screws on both sides of the machine to the right until the rollers are just touching each other on the right and left ends.

Then turn both Adjustment Screws to the left two full turns.

Turn the Locking Nuts to the right to tighten on both sides.

SPECIFICATIONS

Dimensions: 23" D x 32" W x 3.25" H (58.42cm D x 81.28cm W x 8.26cm H)
Weight: 46 lbs (20.87 kg)

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